Press Release

For Immediate Release

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SylPro® delivers superior nutritional performance as protein source in aquafeeds

Arbiom announces results of latest trial evaluating SylPro® for use in Rainbow Trout diets

Paris, France / Durham, N.C. – February 1, 2021: Arbiom, an agricultural-biotechnology company developing solutions to produce high-performance protein ingredients from wood, today announced the results of a new scientific study evaluating its high-quality alternative protein ingredient SylPro® for use in rainbow trout feed.

The study was conducted at the French National Research Institute for Agriculture, Food, and Environment (INRAE) at St. Pée sur Nivelle, a leading French research institute, as part of AQUAEXCEL^{2020} Transnational Access Program (TNA). The goal was to evaluate the nutritional performance of SylPro in rainbow trout diets. In the study, feeds were formulated with SylPro as a replacement for fishmeal and/or plant-based protein-rich ingredients.

The study results indicate that SylPro was a suitable replacement for both plant proteins and fish meal based on feed conversion ratio (FCR), specific growth rate (SGR), and body weight gain (BWG), when used in aquafeeds up to a 20% inclusion level. In addition, the inclusion of SylPro improved performance in fishmeal-free diets. The study results also point to exceptional protein digestibility of SylPro compared to standard protein ingredients. The research team saw no statistical differences in mortality over the course of the study.

“The results of the trout feed study are consistent with previous trial results and once again demonstrate the nutritional and functional performance SylPro offers feed formulators. We are eager to follow-up on these findings, especially as they relate to fish health,” said Ricardo Ekmay, PhD, Senior Vice President of Nutrition and Product Development for Arbiom.

“We are pleased with the results of the trout study conducted in collaboration with Arbiom. In order to enable a sustainable food future, it is critical for science-backed protein sources are available to producers and consumers,” said Sandrine Skiba, Researcher with INRAE.

Arbiom SylPro is produced using wood-derived media in a fermentation stage followed by downstream processing to produce the product, which is comprised of dried inactive yeast cells. Arbiom has developed SylPro® to address the challenges of producing sustainable, nutritional, traceable protein ingredients, and also improving gut health for fish, land animals and ultimately humans.

“With this trial we continue our momentum commercializing Arbiom’s innovative protein product,” said Marc Chevrel, Arbiom CEO. “We are confident SylPro delivers significant, consistent and valuable benefits in terms of improving animal health, human nutrition, production efficiencies, and overall sustainability of our food chain.

“Arbiom’s latest trial shows consistent commercial product performance of SylPro, and ultimately value for producers and consumers. How we feed our food, including aquaculture-farmed fish, is of critical importance, with significant sustainability implications for producers and society at-large,” said Chevrel.

ABOUT ARBIOM:

Arbiom is committed to meeting the sharp increase in global food and resource requirements with technology that transforms the most sustainable and readily available carbon source in the world – wood – into intermediate materials for a range of applications in the feed, food, and chemicals industries. Arbiom's technology platform integrates the company's proprietary enzyme technologies and biomass processing expertise to convert wood into food. Arbiom is partnering with biomass stakeholders and leading firms in aquaculture, biotechnology and bio-based industries to continue developing and scaling up its technology. Headquartered in Durham, North Carolina, Arbiom has offices in Paris, France. To learn more about Arbiom, visit www.arbiom.com

ABOUT INRAE:

Created on January 1, 2020, the French National Research Institute for Agriculture, Food, and Environment (INRAE) is a major player in research and innovation. INRAE carries out targeted research and resulted from the merger of INRA and IRSTEA. It is a community of 12,000 people with 268 research, experimental research, and support units located in 18 regional centres throughout France. Internationally, INRAE is among the top research organisations in the agricultural and food sciences as well as in the plant and animal sciences. It also ranks 11th globally in ecology and environmental science. It is the world's leading research organization specialising in agriculture, food, and the environment. INRAE's main goal is to be a key player in the transitions necessary to address major global challenges. Faced with a growing world population, climate change, resource scarcity, and declining biodiversity, the institute is developing solutions that involve multiperformance agriculture, high-quality food, and the sustainable management of resources and ecosystems.

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